

SCIENCE

And Technology Program



Theme Area: Water Resources

Program Area: Watershed and River Systems Management Program

Project No.: WR00.01

Project Title: Truckee River Basin Model Development

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Abstract: A flexible water resources modeling framework will be developed and applied to the Truckee River basin in Nevada. This type of modeling tool has been needed for a number of years to deal with the rapidly changing water problems of the Truckee River basin. The RiverWare modeling framework offers the best opportunity for a satisfactory tool for Truckee River managers and technical experts to use, but additional capabilities are required which are not presently available.

The improved version of RiverWare will be used by Reclamation managers and technical staff to formulate daily, monthly, and long-term operational strategies which satisfy the rapidly changing legal requirements and multiple purpose water demands of this basin. The Truckee River Water Master's Office will also use results of the program to make administrative decisions. Once developed, these technical capabilities will be useful to other Reclamation offices as well.

In addition to technical staff from the Lahonton Area Office, the Technical Service Center, and the Lower Colorado Region, partners will include the US Geological Survey, the Bureau of Indian Affairs, the Truckee River Water Master's office, and the Pyramid Lake Tribe.

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